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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/671,863

09/29/2003

Ju-hwan Kim

1572.1100

5397

21171 7590 06/13/2007  
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EXAMINER

STERLING, AMY JO

ART UNIT

PAPER NUMBER

3632

MAIL DATE

DELIVERY MODE

06/13/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

**Application No.**

10/671,863

**Applicant(s)**

KIM ET AL.

**Examiner**

Amy J. Sterling

**Art Unit**

3632

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 May 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,4-32 and 34-37 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,4-7,14-32 and 34-37 is/are allowed.
- 6) ☒ Claim(s) 8 and 11 is/are rejected.
- 7) ☒ Claim(s) 9,10,12 and 13 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>5/7/07</u> . | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

This is a non-final Office Action for application number 10/671,863 Display Apparatus, filed on 9/29/03. Claims 1, 432 and 34-37 are pending. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/7/07 has been entered.

### ***Claim Rejections - 35 USC § 102***

Claims 8 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by United States Patent No. 5549264 to West.

The patent to West discloses a display apparatus (10) having a base part (12), a monitor body (248), a body bracket (100) fixedly coupled to the monitor body, a slider (120, 122) connected with the body bracket, a guide rail (102) which is a pair of rails (either side of 102) provided in a pair to correspond to the guide rail to be engaged with the guide rail and to stand on the base part, and to guide the slider to slide thereon so as to move the monitor body up and down, at least one spiral spring (122) having an

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elasticity enough to support weight of the monitor body, to extend and contract in response to a movement of the slider; and a ball bearing (128) unit provided between the guide rail and the slider.

### ***Response to Arguments***

Any of Applicant's arguments with respect to claims 8 and 11 have been considered but are moot in view of the new ground(s) of rejection.

### ***Allowable Subject Matter***

Claims 1, 4-7, 14-32 and 34-37 are allowed.

Claims 9, 10, 12 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

With regards to claims 1 and 4-7, the reason is that the prior art does not disclose four accommodating parts for accommodating the springs and the guide rails on both sides of the guide bracket or a that a ball bearing unit is provided between the guide rail and the slider or wherein the spring supporting block performs a sliding motion along with the sliders. With regards to 4,616,218 to Bailey et al., the reference does not show any spring supporting block which is between and coupled to the sliders, the spring supporting block is on the outside of the sliders and is attached to the guide rails.

With regards to claims 9 and 10, the reason is that the prior art does not teach a supporting pin disposed between the guide rail and the slider and positioned along a

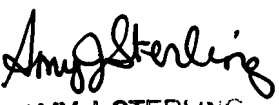
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lengthwise direction of the guide rail and a rolling ball rollably installed on the supporting pin between the guide rail and the slider and contacted with the slider by a rolling motion.

**Conclusion**

Any inquiry concerning this communication should be directed to Amy J. Sterling at telephone number 571-272-6823. The examiner can normally be reached (M-F 8 a.m.-5:00 p.m.). The fax machine number for the Technology center is 571-273-8300 (formal amendments) or 571-273-6823 (informal amendments only). Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist at 571-272-3600.

Amy J. Sterling  
Primary Examiner  
5/31/07

  
AMY J. STERLING  
PRIMARY EXAMINER  
TECHNOLOGY CENTER 3600